

# TECHNICAL MEMORANDUM

## Utah Coal Regulatory Program

---

January 17, 2012

TO: Internal File

THRU: April Abate, Hydrologist and Team Lead *GOO 1.18.2012*

FROM: James Owen, Engineer *JO*

RE: Subsidence Control Point Survey Data, Canyon Fuel Company, LLC, Sufco Mine, C/041/0002, Task #3993

### SUMMARY:

On December 23, 2012, the Utah Division of Oil Gas & Mining received an application for an amendment to the Mining & Reclamation Plan (MRP) of Canyon Fuel Company's (CFC) Sufco Mine. The application seeks approval to modify and update Table 5-2 in Chapter 5 Volume 1. The modifications are for subsidence control point survey data.

This memo addresses the application's compliance with the engineering (R645-301-500) section of the Utah Coal Mining Rules.

**TECHNICAL MEMO**

---

**TECHNICAL ANALYSIS:**

**OEPRATION PLAN**

**SUBSIDENCE CONTROL PLAN**

Regulatory Reference: 30 CFR 784.20, 817.121, 817.122; R645-301-521, -301-525, -301-724.

**Analysis:**

Table 5-2, Subsidence Control Point Survey Data was updated to include new coordinates in terms of easting, northing, and elevation for specific control points. Pages 5-31 through 5-38E included modifications. No modifications were found to be outside of an expected range for control point updates.

An updated version of Plate 5-10Bv9, Potential Subsidence Limits Pines Tract, was included with the application. The map included control points at their updated locations (no discernable adjustments were needed due to the scale of the map compared to the scale of the updated coordinates. The updated plate was properly certified.

**Findings:**

Contents and information provided are sufficient enough to meet the minimum requirements of this section of the Utah Coal Mining Rules.

**RECOMMENDATIONS:**

Approval is recommended at this time.